**Supplement Table3.** Description of related parameters.

|  |  |
| --- | --- |
| parameters | Description |
| category agreement (CA) | $\% CA= \frac{N\_{CA }∙100}{N}$; *N*CA is the number of microbial isolates with the same susceptible, intermediate, susceptible-dose dependent, and resistant category as the reference or comparator method category result; *N* is the total number of microbial isolates tested |
| essential agreement (EA) | MIC result obtained with the antimicrobial susceptibility testing system that is within one doubling dilution step (two-fold serial) for bacteria from the MIC value established with the reference method; $\% EA= \frac{N\_{EA }∙100}{N}$; *N*EA is the number of microbial isolates with an EA; *N* is the total number of microbial isolates tested |
| major error (ME) | $$\% ME=\frac{N\_{ME}∙100}{total isolates susceptible by reference method }$$ |
| minor error (MIE) | $\% MIE= \frac{N\_{MIE }∙100}{N\_{T}}$; *N*T is the total number of isolates tested |
| very major error (VME) | $$\% VME=\frac{N\_{VME}∙100}{total isolates resistant by reference method }$$ |